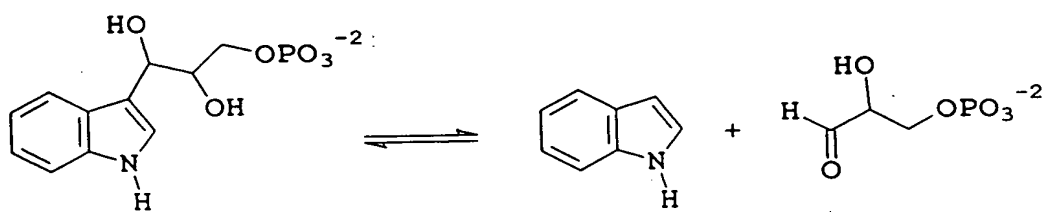


Reaction of the TS $\alpha$  subunit:



Reaction of the TS $\beta$  subunit:

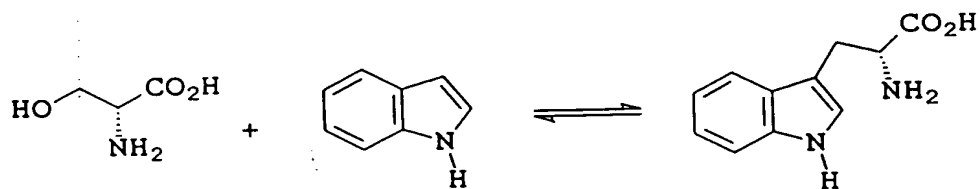
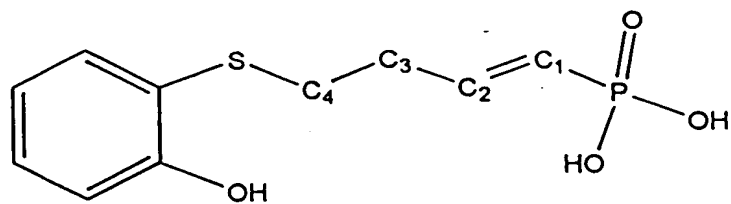
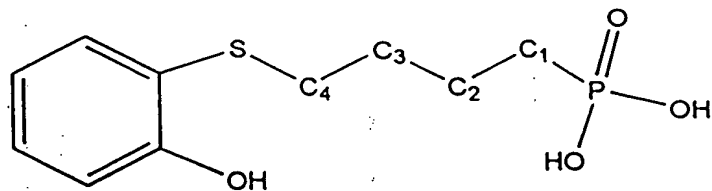


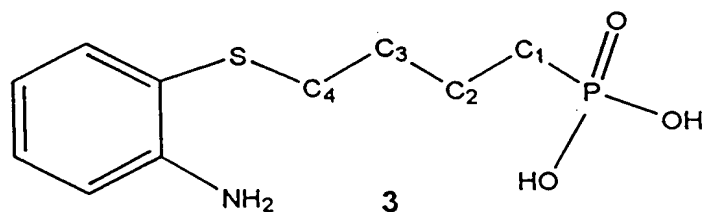
Figure 1



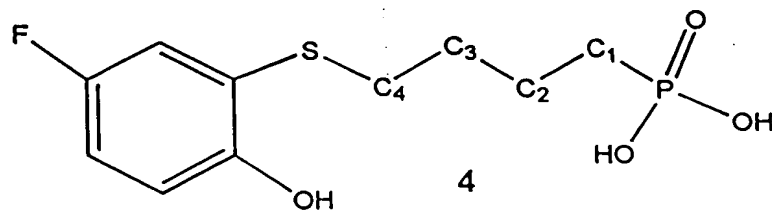
1



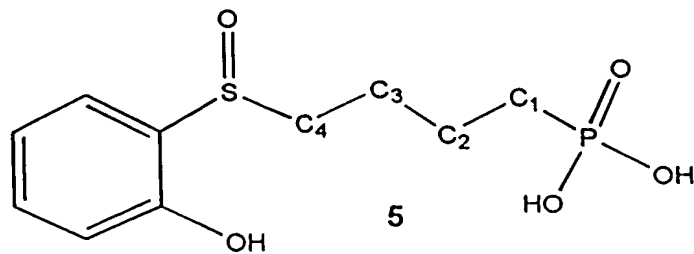
2



3



4



5

Figure 2

A

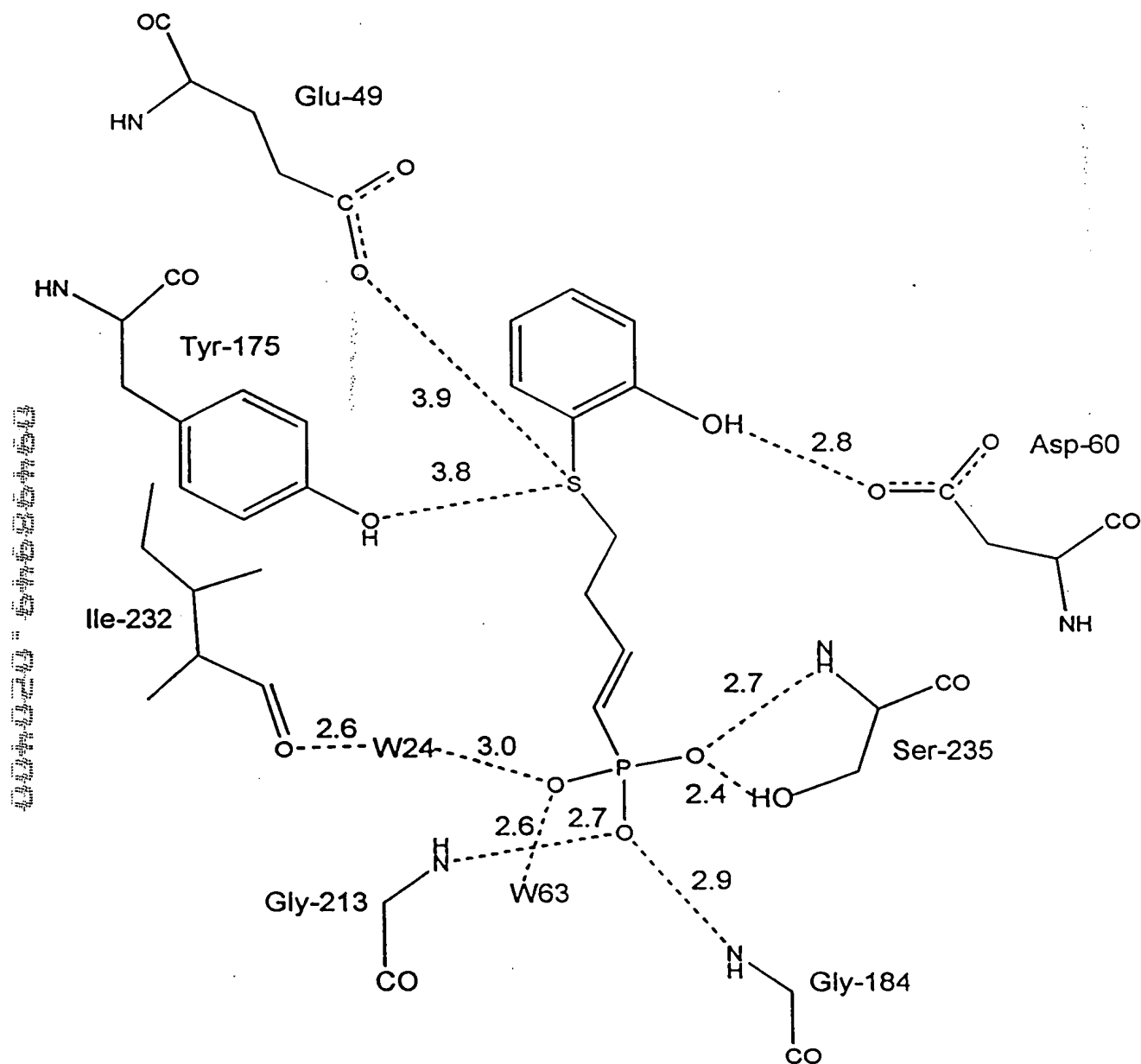


Figure 3A

B

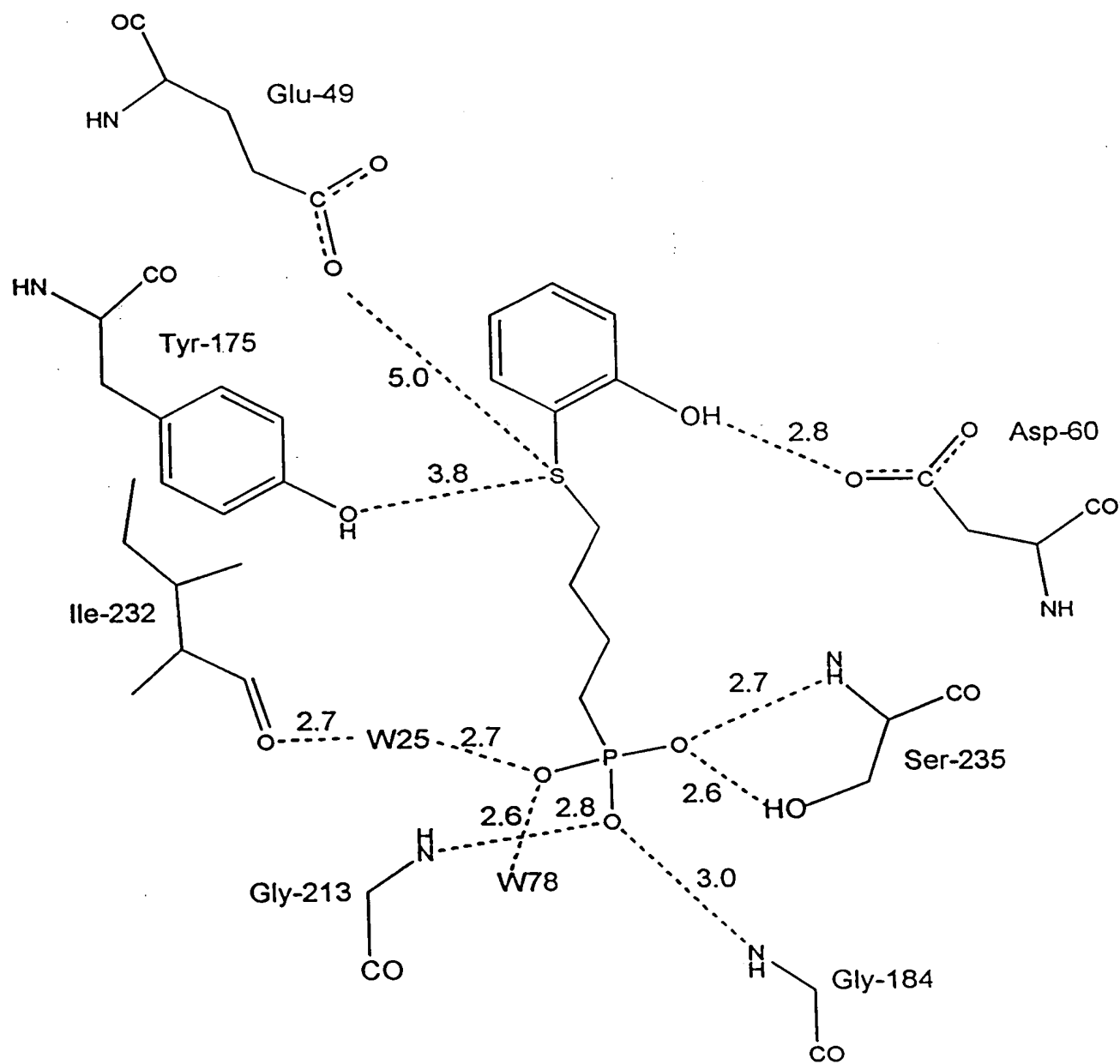


Figure 3B

$$\begin{array}{l} \frac{\partial^2 u}{\partial t^2} - \Delta u = f(x,t) \\ u|_{t=0} = \varphi(x), \quad u_t|_{t=0} = \psi(x) \\ u|_{\Gamma} = 0 \end{array}$$


**Figure 3C**

D

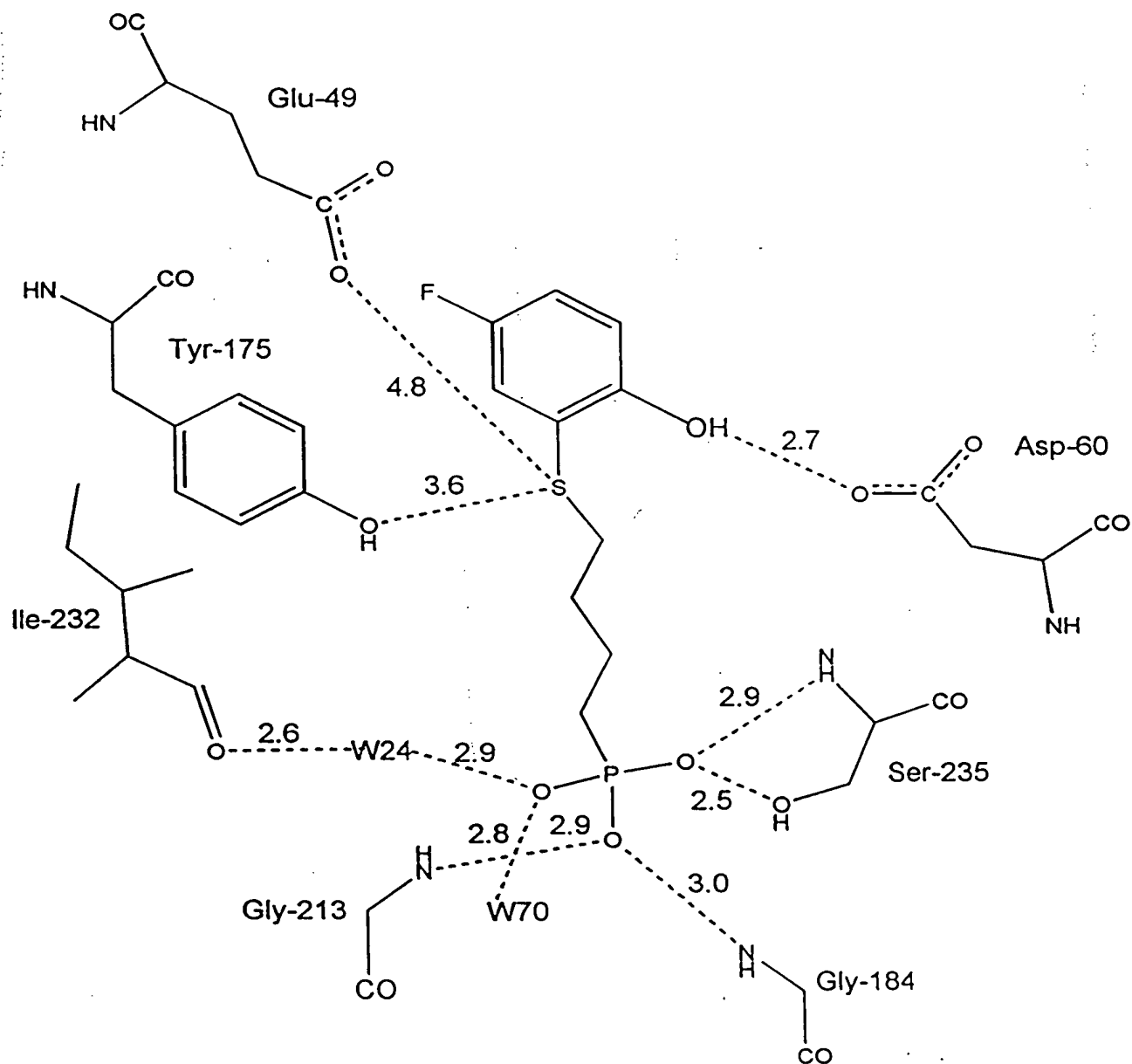


Figure 3D

E

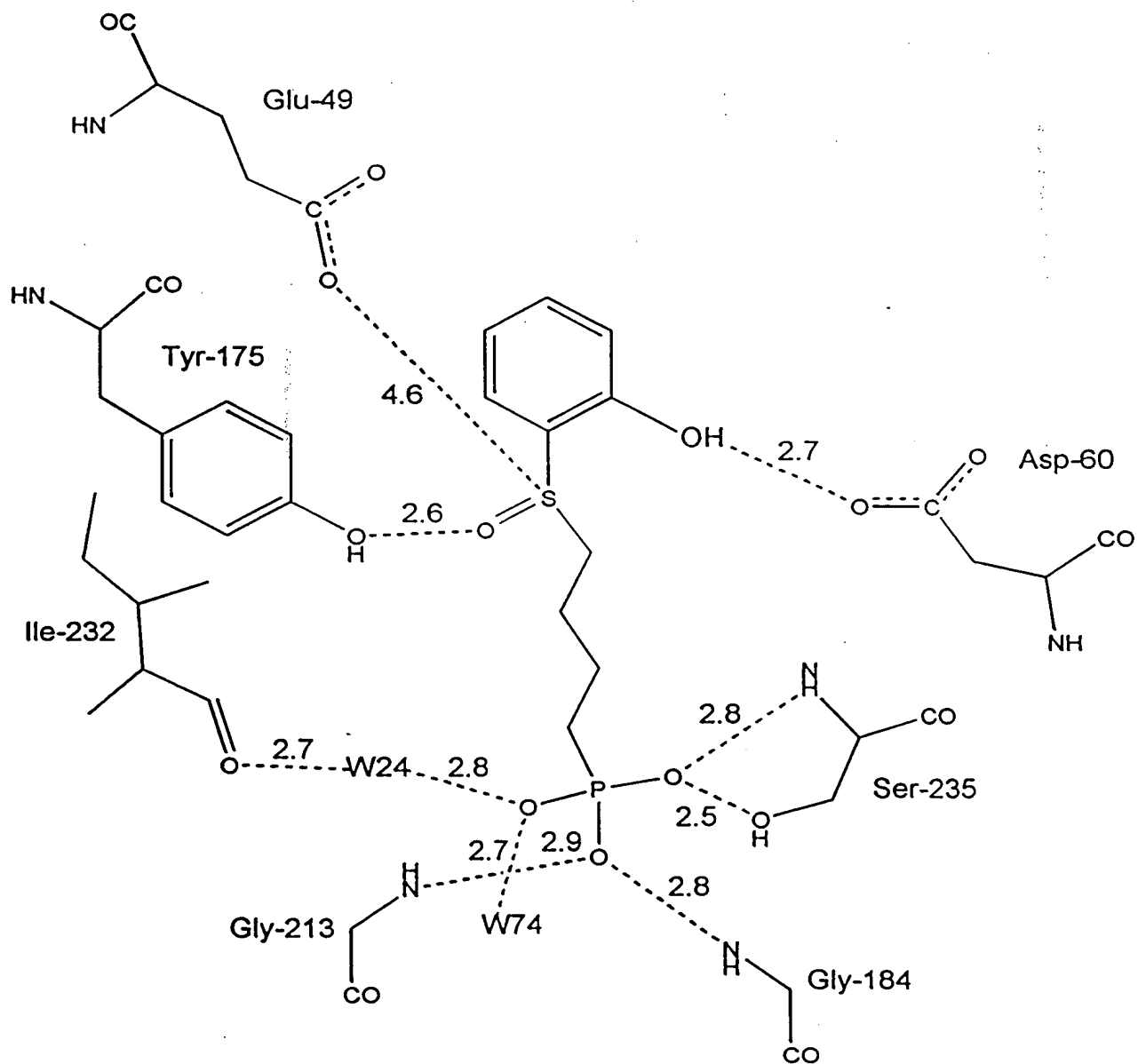


Figure 3E

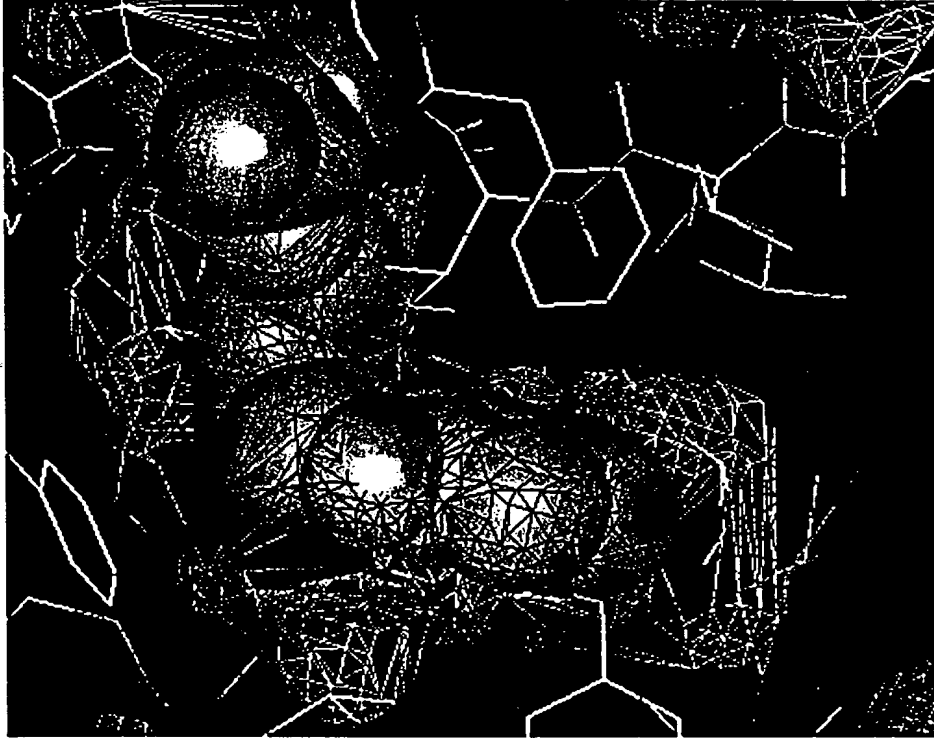
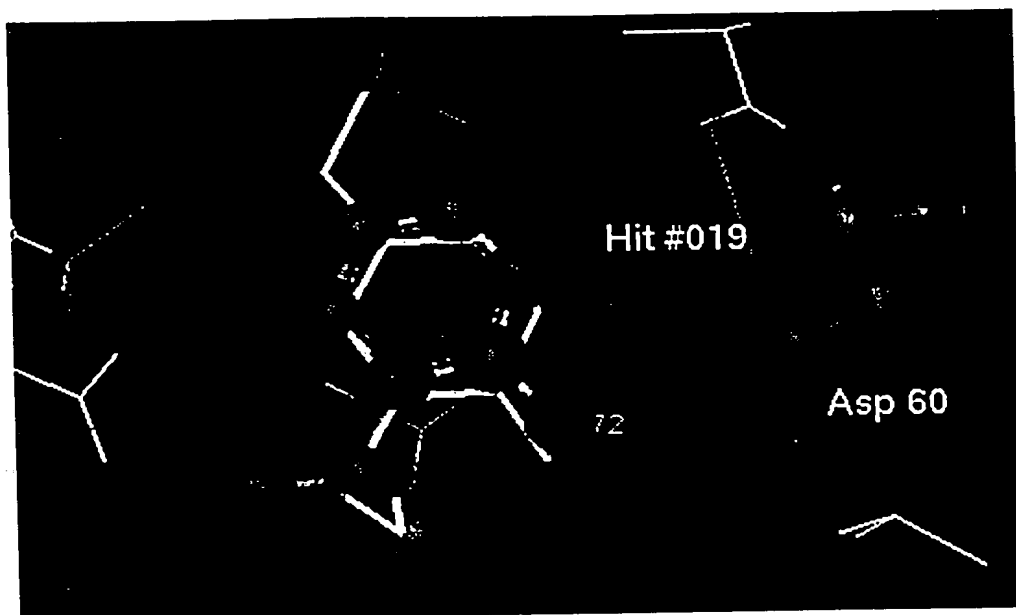


Figure 4



**Figure 5**

**Figure 6**



**Figure 7**



Figure 8

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